

## Author Index

---

- Abdel-Halim, S.T. 83  
Alvarez, M.R. 175  
Aronson, A.S. 109  
Aveyard, R. 89  
  
Bailey, A.I. 261, 273  
Basilio, C.I. 1  
Bergeron, V. 109  
Binks, B.P. 89  
Blanc, C. 187  
Borwankar, R.P. 43  
Bouabdillah, D. 187  
Buscall, R. 33  
  
Cazabat, A.M. 193  
Cazabat, M. 193  
Chakarova, Sv.K. 43  
Chen, T.Y. 273  
Chiew, Y.C. 161  
Claude, D. 187  
Cochet, N. 187  
Cros, P. 25  
  
Dhathathreyan, A. 303  
Dimitrova, B.I. 43  
Dobiáš, B. 129  
  
Elaissari, A. 25  
  
Fagan, M.E. 109  
Fang, J.P. 63  
Fletcher, P.D.I. 89  
Frasse, N. 193  
  
Garti, N. 143  
Gestblom, B. 75  
Gramain, P. 285  
  
Gurkov, T.D. 43  
  
Hartland, S. 245  
Hebrant, M. 293  
Heslot, F. 193  
  
Ivanov, I.B. 43  
  
Jiang, Q. 161  
Joos, P. 63  
  
Kim, D.S. 1  
Kosmulski, M. 237  
Kozarac, Z. 99  
Kumar, A. 245  
  
Laurent, V. 25  
Levinson, P. 193  
Luckham, P.F. 261, 273  
Luquet, M.P. 187  
Lyklema, J. 255  
  
Magdassi, S. 143  
Malmensten, B. 219, 227  
Mandrand, B. 25  
Maste, M.C.L. 255  
Möbius, D. 99, 303  
Mohammed, R.A. 261, 273  
  
Norde, W. 255  
  
Orthgiess, E. 129  
  
Paz Andrade, M.I. 57  
Persson, I. 199, 207, 219, 227  
Petlicki, J. 9  
Pichot, C. 25  
  
Prieto, G. 57  
  
Radke, C.J. 109  
Ramasami, T. 303  
Rutherford, C.E. 89  
Rutland, M.W. 121  
Rychlicka-Rybska, J. 151  
  
Saeten, J.O. 75  
Sarmiento, F. 57  
Schaad, P. 285  
Sela, Y. 143  
Sjöblom, J. 75  
Skodvin, T. 75  
Somasundaran, P. 183  
  
Taylor, S.E. 261, 273  
Thomann, J.M. 285  
Tondre, C. 293  
Torralvo, M.J. 175  
  
Valentini, J.E. 161  
Valignat, M.P. 193  
Valli, M. 199, 207, 219, 227  
van de Ven, T.G.M. 9  
van Velthoven, A.P.C.M. 255  
Velev, O.D. 43  
Voegel, J.C. 285  
  
Wärnheim, T. 75  
Waters, J.A. 167  
Woods, R. 1  
  
Yoon, R.-H. 1  
Yu, X. 183

## Subject Index

---

- Absorption spectroscopy, 83  
Acetic acid, 151  
Adsorption, 121, 129  
Adsorption kinetics, 9  
Air–aqueous solution interface, 151  
Air–water interface, 99  
Air/solution interface, 161  
*n*-Alkyl sulphates, 57  
Alkylxanthates, 199, 207, 219  
Aluminium oxide, 237  
Anionic polymers, 285  
Arsenic-containing minerals, 219  
Average orientation, 99
- Bubbles, 245
- Capillary waves, 161  
Cationic micelles, 293  
Cellulose–polyelectrolyte interactions, 9  
Chelating agents, 129  
Chemical demulsification, 261  
Chemisorption, 1  
Collectors, 129  
Complexation, 293  
Complexing agents, 129  
Composite latex particles, 167  
Contact angles, 89  
Counterion effect, 293  
Covellite, 199  
Crude oil, 273  
Crude oil emulsion, 261  
Crystalline zirconias, 175
- Dewatering, 261  
*O,O*-Diethyl dithiophosphates, 227  
Disjoining pressures, 109  
Dispersion rheology, 33  
Dissolution, 129  
Dissolution inhibition, 285  
Double emulsions, 143  
Drag force, 245  
Drops, 245  
Dynamic surface tension, 63
- Electric double layer, 237  
Electric field effects, 161, 273  
Electrical conductivity, 57
- Electrostatic interactions, 25  
Ellipsometry, 193  
Emission spectroscopy, 83  
Emulsifier blends, 43  
Emulsion, 273  
Emulsion resolution, 261  
Emulsion stability, 43  
Ester hydrolysis, 63  
Ethyl palmitate, 63  
Ethyl xanthate, 1
- Fermentation, 187  
Flotation, 129  
Flow fields, 245  
Flow resistance, 109  
Frumkin isotherm, 1
- Glass bead packs, 109  
Gravitational acceleration, 245
- Hexane–water interface, 63  
Hydroxyapatite, 285
- Ice nucleation, 187  
Interface, 303  
Ionic surfactants, 129  
Interfacial energy, 167
- Kinetics, 285, 293
- Lamella stability, 109  
Langmuir–Blodgett layers, 303  
Latex/viscosity, 33  
Lipid monolayers, 99  
Liquid crystalline compound, 303  
Liquid margarines, 75  
Lumen loading, 9
- Malachite, 199  
Medium, 187  
Mesoporous crystalline zirconias, 175  
Metal ions, 293  
Methyl alcohol, 151  
Micellar behaviour, 57  
Micelles, 83  
Microdroplets, 193  
Microgel/viscosity, 33

- Mixed adsorbed monolayer, 151
- Mixed surfactants, 43
- Model emulsions, 75
- Modelling, 193
- Modifiers, 129
- Molybdato-phosphoric acid, 255
- Monodisperse spheres, 89
- Monolayer techniques, 99
- Multiple emulsions, 143
- Nitrogen adsorption, 175
- Nitrophenols, 99
- Non-ionic surfactants, 43, 121
- Oligonucleotide adsorption, 25
- Photoisomerization, 83
- pH variation, 25
- Plasma modification, 121
- Point of zero charge, 237
- Polyelectrolyte adsorption, 9
- Polymeric emulsifiers, 143
- Polystyrene latex, 25
- Poly(ethylene oxide), 255
- Pseudomonas, 187
- Reflection spectroscopy, 99
- Resolution, 273
- Salt solutions, 161
- Salt-type minerals, 129
- Saponification, 63
- Silicon oxide, 237
- Silicone surfactants, 143
- Silver-gold alloys, 1
- Stability ratio, 255
- Steric stabilization, 255
- Stilbazolium betaine, 83
- Sulphide minerals, 199, 207, 219, 227
- Surface forces, 121
- Surface morphology, 167
- Surface potential, 151
- Surface tension, 151, 161
- Surface-induced layering, 193
- Surfactant solutions, 89, 161
- Surfactants, 109
- Textural characterization, 175
- Thermal ageing, 175
- Thin liquid films, 43
- Time domain dielectric spectroscopy, 75
- Ultrathin films, 193
- Vibration spectroscopy, 199, 207, 219, 227
- Voltammetry, 1
- X-ray photoelectron spectroscopy, 199, 207
- Yttria-doped zirconia powders, 175
- Zeta potential, 129